

ABSTRACT OF THE DISCLOSURE

5 A metal detection system with a magnetometer head
coupleable to conventional footwear and method of use for
facilitating hands-free detection of metals below a surface of the
ground adjacent to a user. The metal detection system with a
magnetometer head coupleable to conventional footwear and method
10 of use includes a magnetometer assembly, a control assembly, and a
coupling assembly. The magnetometer assembly is designed for
passing over a surface and detecting metal below the surface. The
control assembly is operationally coupled to the magnetometer
assembly, and facilitates operational control of the magnetometer
15 assembly. The coupling assembly operationally couples the
magnetometer assembly to a piece of conventional footwear.